

### AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

1. (Original) A method of determining whether a composite service level agreement (SLA) may be met comprising:

calculating a baseline metric value for each of a plurality of component SLAs in a computing system that operate to form a composite SLA;

comparing a historical metric value for each of the plurality of component SLAs to their respective baseline metric value to determine if each historical metric is sufficient to ensure that the composite SLA is met.

2. (Original) The method as defined in claim 1 wherein calculating the baseline metric value for each of the plurality of component SLAs further comprises calculating a baseline success rate for each of the plurality of component SLAs from historical data.

3. (Original) The method as defined in claim 2 wherein comparing the historical metric value for each of the plurality of component SLAs further comprises comparing a historical success rate for each of the plurality of component SLAs to their respective baseline success rates to determine if each historical success rate is greater than or equal to each respective baseline success rate.

4. (Original) The method as defined in claim 1 wherein calculating a baseline metric value for each of the plurality of component SLAs further comprises calculating a baseline failure rate for each of the plurality of component SLAs from historical data.

5. (Currently Amended) The method as defined in claim 4 wherein comparing a historical metric [[values]] value for each of the plurality of component SLAs further comprises comparing a historical failure [[rates]] rate for each of the plurality of component SLAs to their respective baseline failure rates to determine if each historic failure rate is less than or equal to the respective failure rate for each of the component SLAs.

6. – 19. (Cancelled)

20. (New) The method of claim 1, further comprising indicating that the composite SLA cannot be met in response to determining that any of the historical metric values is insufficient when compared to the respective baseline metric value.

21. (New) The method of claim 3, further comprising indicating that the composite SLA cannot be met in response to determining that any of the historical success rates is less than the respective baseline success rate.

22. (New) The method of claim 5, further comprising indicating that the composite SLA cannot be met in response to determining that any of the historical failure rates is greater than the respective baseline failure rate.

23. (New) The method of claim 1, wherein calculating the baseline metric value for each of the plurality of component SLAs is based on a desired success rate for a composite system having multiple component services associated with the corresponding component SLAs.

24. (New) The method of claim 23, wherein calculating the baseline metric value for each of the plurality of component SLAs is further based on:  
calculating a combined historical failure rate of the component services; and  
determining a contribution of each component service to the combined historical failure, wherein each baseline metric value is based on the respective determined contribution.

25. (New) The method of claim 1, further comprising:  
calculating a combined metric value from historical data for sequential component SLAs that operate sequentially to contribute to the composite SLA; and  
comparing the combined metric value to a target combined metric value to determine if the combined metric value is sufficient to meet the target combined metric value.

26. (New) The method of claim 25, wherein calculating the combined metric value further comprises calculating a component probability distribution function (PDF) for each sequential component SLA.

27. (New) The method of claim 26, wherein calculating the combined metric value further comprises computing a composite PDF from the component PDFs.

28. (New) The method of claim 27, wherein computing a composite PDF from the component PDFs further comprises performing a convolution of the component PDFs for each component SLA.

29. (New) The method of claim 27, wherein calculating the combined metric value further comprises:  
calculating a cumulative distribution function (CDF) from the composite PDF;  
determining the combined metric value by locating a value of the cumulative CDF at the target combined metric value.

30. (New) A computer readable medium storing programs executable by a processor that, when executed, perform a method comprising:  
calculating a baseline metric value for each of a plurality of component SLAs in a computing system that operate to form a composite SLA;  
comparing a historical metric value for each of the plurality of component SLAs to their respective baseline metric value to determine if each historical metric value is sufficient to ensure that the composite SLA is met.

31. (New) The computer readable medium as defined in claim 30 wherein calculating the baseline metric value for each of the plurality of component SLAs further comprises calculating a baseline success rate for each of the plurality of component SLAs from historical data.

1 32. (New) The computer readable medium as defined in claim 31 wherein comparing the  
2 historical metric value for each of the plurality of component SLAs further comprises comparing  
3 a historical success rate for each of the plurality of component SLAs to their respective baseline  
4 success rates to determine if each historical success rate is greater than or equal to each  
5 respective baseline success rate.

1 33. (New) The computer readable medium as defined in claim 30 wherein calculating a  
2 baseline metric value for each of the plurality of component SLAs further comprises calculating  
3 a baseline failure rate for each of the plurality of component SLAs from historical data.

1 34. (New) The computer readable medium as defined in claim 33 wherein comparing a  
2 historical metric value for each of the plurality of component SLAs further comprises comparing  
3 a historical failure rate for each of the plurality of component SLAs to their respective baseline  
4 failure rates to determine if each historic failure rate is less than or equal to the respective failure  
5 rate for each of the component SLAs.